



LKT Laboratories, Inc.

L-Ornithine Hydrochloride

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Product Information

Product ID O7053

CAS No. 3184-13-2

Chemical Name L-Ornithine Monohydrochloride

Synonym 2,5-Diaminopentanoic acid Monohydrochloride

Formula $C_5H_{12}N_2O_2 \cdot HCl$

Formula Wt. 168.62

Melting Point 245°C (dec)

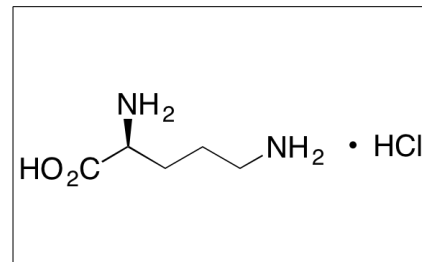
Purity ≥98%

Solubility Soluble in water and alcohol.

Store Temp Ambient

Ship Temp Ambient

Description L-Ornithine is a non-proteinogenic amino acid that exhibits anti-fatigue and hepatoprotective activities. L-Ornithine is a metabolite of L-arginine and a major component of the urea cycle. L-Ornithine increases efficiency of energy consumption and promotes excretion of ammonia, decreasing exercise-induced physical fatigue in clinical settings. With L-aspartate, L-ornithine also decreases the symptoms of hepatic encephalopathy associated with liver cirrhosis.



Bulk quantities available upon request

Product ID	Size
O7053	10 g
O7053	25 g
O7053	100 g
O7053	1 kg

References Ivanenkov YA, Chufarova NV. Small-molecule arginase inhibitors. Pharm Pat Anal. 2014 Jan;3(1):65-85. PMID: 24354980.

Sikorska H, Cianciara J, Wiercińska-Drapało A. Physiological functions of L-ornithine and L-aspartate in the body and the efficacy of administration of L-ornithine-L-aspartate in conditions of relative deficiency. Pol Merkur Lekarski. 2010 Jun;28(168):490-5. PMID: 20642112.

Sugino T, Shirai T, Kajimoto Y, et al. L-ornithine supplementation attenuates physical fatigue in healthy volunteers by modulating lipid and amino acid metabolism. Nutr Res. 2008 Nov;28(11):738-43. PMID: 19083482.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.